

## ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

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**Date/Time:** November 29, 2004

**Site Contact(s):** Dyan Foss  
**Phone:** (303) 994-0325

**Regulatory Contact:** Edd Kray  
**Phone:** (303) 994-3441

**Agency:** CDPHE

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**Purpose of Contact:** Disposition of Second Floor Survey Unit 31

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### Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and dose and risk to the workers as low as reasonably achievable (ALARA). This contact record documents the activities that were conducted to prepare the Second floor Survey unit 31 for demolition. Survey Unit 31 consists of the northwest portion of Room 208 and Room 221.

The preparation process for Survey unit 31 was initiated July 20, 2004 when a package for in-process radiological surveys was prepared and executed. Once the surveys were complete, the following actions were taken as part of the ALARA-based decontamination effort:

- Concrete shaving was performed on floor surfaces.
- Expansion joints and cracks in the floor were remediated, as necessary.

The area was resurveyed in accordance with the Radiological Pre-Demolition Survey Plan for Buildings 776/777. The surveys were provided to the CDPHE project representative, and a walk down of the area was conducted.

In addition to the radiological hazards, the non-radiological hazards have also been addressed in Survey unit 31. The following summarizes the non-radiological activities:

- Room 208 contained a permitted RCRA container storage area that was part of Unit 776.1. Closure of this area was approved by Harlen Ainscough and documented in a Contact Record dated November 24, 2004.
- Chemicals and hazardous substances have been removed.
- Beryllium regulated and controlled areas have been closed. Survey Unit 31 included all or portions of rooms 208 and 221 on the second floor of Building 776. Room 208 was listed on the historical list of rooms. The historical record

indicates that the plenum systems in room 208 were potentially internally beryllium contaminated. The final beryllium surveys for this area were collected on October 23, 2004. All samples collected were below the reporting limit of 0.1 ug/100 cm<sup>2</sup>.

- Polychlorinated biphenyls (PCB) hazards and equipment have been removed.
- Asbestos has been abated.

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction that would be gained through additional decontamination. The state project representative agrees that decontamination inside Survey unit 31 has progressed to the point of reasonably achievable removal and that the subsequent step of encapsulation is appropriate.

In summary, ALARA-based decontamination has been completed, Survey unit 31 will be encapsulated and surveyed for removable contamination, and controls will be applied during demolition. This contact record will be included as an appendix to the characterization report for Survey unit 31 and placed in the demolition file to ensure the controls and requirements are included in the demolition work packages for these survey units.

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**Contact Record Prepared By: Dyan Foss**

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